

Title (en)
Bimetallic roll for hot strip rolling mill.

Title (de)
Bimetallische Walze für Warmbandwalzwerk.

Title (fr)
Cylindre de laminoir bimétallique pour train à bande à chaud.

Publication
EP 0028980 A1 19810520 (FR)

Application
EP 80401590 A 19801106

Priority
FR 7927952 A 19791113

Abstract (en)
[origin: ES8106844A1] The object of the invention is to improve the performance of the rolls of roughing and finishing stands of a hot strip train or mill and in particular to retard as far as possible the banding phenomenon, namely the phenomenon of the incrusting of hard oxides or scale formed at the convenience rolling temperatures. For this purpose, the roll is made, at least in the working region thereof, from a chrome steel in which the ratio between the respective contents of chromium and carbon is between 7 and 12 and in which the content of equivalent carbon is between 1.5 and 1.7%. This content of equivalent carbon is calculated as the sum of the content of carbon and the content of chromium, the latter being given a coefficient 0.05.

Abstract (fr)
Cette invention vise à améliorer la tenue des cylindres des cages dégrossisseuses et finisseuses d'un train à bande à chaud et, en particulier, à retarder au maximum le phénomène de "banding" ou d'incrustation des oxydes durs qui se forment aux températures de laminage habituelles. A cet effet, au moins dans sa zone de travail, le cylindre est réalisé en un acier au chrome dans lequel le rapport entre les teneurs respectives en chrome et en carbone est compris entre 7 et 12 et dans lequel la teneur en équivalent carbone est comprise entre 1,5 et 1,7%, cette teneur en équivalent carbone étant calculée comme étant la somme de la teneur en carbone et de la teneur en chrome, cette dernière affectée d'un coefficient 0,05.

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AT DE GB SE

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